

L Number	Hits	Search Text	DB	Time stamp
1	2068	gas with detector with tube	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 14:48
2	227	(gas with detector with tube) and (tube and glass and (polymer or plastic or deformable or bulb))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 13:59
3	289	(gas with detector with tube) and (indicator or smoke or stannic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 14:49
4	54	((gas with detector with tube) and (tube and glass and (polymer or plastic or deformable or bulb))) and ((gas with detector with tube) and (indicator or smoke or stannic))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 14:13
5	1	((gas with detector with tube) and (indicator or smoke or stannic)) and (pipet or pipette)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 14:14
6	235	((gas with detector with tube) and (indicator or smoke or stannic)) not (((gas with detector with tube) and (tube and glass and (polymer or plastic or deformable or bulb))) and ((gas with detector with tube) and (indicator or smoke or stannic)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 14:16
7	1		USPAT	2002/06/03 14:15
8	1		USPAT	2002/06/03 14:15
9	1		USPAT	2002/06/03 14:16
10	1		USPAT	2002/06/03 14:16
11	1		USPAT	2002/06/03 14:16
12	3	("5883882").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 14:16
13	3	("5883852").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 14:17
14	3	("5853852").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 14:17
15	3	("5853882").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 14:19
16	3	("5883882").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 14:19
17	2	("5833882").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 14:19
18	1		USPAT	2002/06/03 14:19
20	1		USPAT	2002/06/03 14:19
22	1		USPAT	2002/06/03 14:20

23	1		USPAT	2002/06/03 14:20
24	1		USPAT	2002/06/03 14:20
25	1		USPAT	2002/06/03 14:20
26	1		USPAT	2002/06/03 14:20
27	1		USPAT	2002/06/03 14:21
28	1		USPAT	2002/06/03 14:21
29	1		USPAT	2002/06/03 14:21
30	1		USPAT	2002/06/03 14:21
31	1		USPAT	2002/06/03 14:21
32	630	gas with detector with tube	USOCR	2002/06/03 14:49
33	12899	gas and tube and (indicator or smoke or stannic)	USOCR	2002/06/03 14:51
34	1661	gas and tube and (indicator or smoke or stannic) and detector	USOCR	2002/06/03 14:52
35	440	gas and tube and (indicator or smoke or stannic) and detector and (pump or bulb or squeeze)	USOCR	2002/06/03 14:59
36	6	((pipet or pipette) near5 (plastic)) same glass same bulb	USOCR	2002/06/03 15:00
38	3	("3309188").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 15:02
37	11	((pipet or pipette) near5 (plastic)) same glass same bulb	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/06/03 15:04

DERWENT-ACC-NO: 1998-581633
DERWENT-WEEK: 199849
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TITLE: Detector tube for gas concentration determination in grain storage plants - has cylinder with sealing elements and powder indicator placed between two limiters

INVENTOR: ARYAMKIN, A A; TIKHONOVA, L A

PATENT-ASSIGNEE: MALAKHIT CO LTD[MALAR]

PRIORITY-DATA: 1996RU-0119521 (September 30, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
RU 2110789 C1	May 10, 1998	N/A	003
021/78			G01N

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
RU 2110789C1	N/A	1996RU-0119521	September 30, 1996

INT-CL_(IPC): G01N021/78; G01N031/22

ABSTRACTED-PUB-NO: RU 2110789C

BASIC-ABSTRACT: Detector tube consists of the cylinder (1) made of glass or transparent plastic and open at both sides. The dismantlable sealing elements (2) are positioned at both ends of the cylinder.

Caps or pistons can be used as the sealing elements. The powder indicator (3) placed in the cylinder is spread between two limiters (4). One of the limiters is made of the polymeric grid (4a) and the plug with the opening (4b). The substance (5) activating the indicator composition is placed in one of the sealing elements (2). One or two scales are applied on the cylinder (1). When the component being analyzed is present in the air the indicator changes colour at the side of gas inlet. The length of the coloured section on a scale represents the component concentration in air.

USE - USE - in grain storage or processing plants and also in chemical and pharmaceutical industries.

ADVANTAGE - ADVANTAGE - determination accuracy and sensitivity are increased.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS:

DETECT TUBE GAS CONCENTRATE DETERMINE GRAIN STORAGE PLANT CYLINDER SEAL ELEMENT
POWDER INDICATE PLACE TWO LIMIT

DERWENT-CLASS: S03

EPI-CODES: S03-E04E; S03-E09E;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1998-453016

